

IN THE CLAIMS:

Please amend the claims as follows:

What is claimed is:

1. (Currently amended) An isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide having the amino acid sequence set forth in SEQ ID NO 2.
2. (Currently amended) The isolated and purified biologically active heparan sulfate 3-O-sulfotransferase 5 polypeptide of claim 1, wherein the polypeptide comprises the polypeptide encoded by the nucleic acid sequence as set forth in SEQ ID NO 1.
3. (Currently amended) The polypeptide of claim 1, wherein the polypeptide is the human heparan sulfate 3-O-sulfotransferase 5 polypeptide.
4. (Previously presented) The polypeptide of claim 1, wherein the polypeptide is modified to be in detectably labeled form.
- 5-60. (Canceled)